

DAFTAR PUSTAKA

- Abidin, A.B. 1984. Some Aspects of The Biology of *Hampala macrolepidota* (Van Hasselt) with Reference to Its Food, Feeding Habits and Reproduction from Zoo Negara Lake. [Tesis]. Malaysia. Faculty of Fisheries and Marine Science. Universiti Pertanian Malaysia.
- Abobi, S.M., and W. Ekau. 2013. Length-weight relationships and condition factors of *Alestes baremoze*, *Brycinus nurse* and *Schilbe intermedius* from the lower reaches of white volta river (Yapei), Ghana. *International Journal of Fisheries and Aquaculture* 5 (6): 152–165.
- [APHA] American Public Health Association. 1992. APHA Method 9221: Standard Methods for the Examination of Water and Wastewater (Vol. 552). Washington D.C
- Azhar. 1993. Studi Ekologi Ikan Bilih (*Mystacoleucus padangensis* Blkr.) di Danau Singkarak, Sumatera Barat. [Tesis]. Bogor. Program Pasca Sarjana Institut Pertanian Bogor. 134 hal.
- Aziz, KA. 1989. Pendugaan Stok Populasi Ikan Tropis. Bogor: Departemen Pendidikan dan Kebudayaan Pusat Antar Universitas Ilmu Hayat IPB. 88 hal.
- Azrita. 2012. Variasi genetik dan Biologi Reproduksi Ikan Bujuk *Channa lucius* Cuvier (Actinopterygii: Channidae) Pada Habitat Perairan Yang Berbeda Dalam Upaya Domestikasi. [Disertasi]. Padang. Program Pascasarjana Universitas Andalas. 221 hal.
- Badan Pusat Statistik 2015. Kabupaten Solok Dalam Angka 2015. BPS Kabupaten Solok.
- Badan Pusat Statistik 2016. Kabupaten Solok Dalam Angka 2016. BPS Kabupaten Solok.
- Balasubramanian, A. 2015. Classification of Lakes. India: University of Mysore. 8 hal.
- Baldasso, M.C., L.L. Wolff, M.P. Neves and R.L. Delariva. 2019. Ecomorphological variations and food supply drive trophic relationships in the fish fauna of a pristine neotropical stream. *Environ Biol Fish.* 102: 783-800.
- Biswas, S.P., S.A.K. Nasar and K. Chatterjee. 1984. Inter and Intraspecific comparisonson some aspects of the reproductive biology of the two carps, *Labeo pangusia* (Ham.) and *Labeo dero* (Ham.). *Arch. Biol.* 95: 11-27.
- Boyd, C.E. and F. Lichtkoppler. 1979. Water Quality Management in pond fish culture Research and Development Series. International Center for Aquaculture 22 (22): 1-30.
- Brett, J.R. 1979. Environmental factors and growth. *Fish Physiology* 8: 599-675.
- Brey, T., M. Soriano and D. Pauly. 1988. Electronic Length Frequency Analysis A Revised and Expanded Users Guide TO ELEFAN 0, 1 adn 2. In *Electronic Length Frequency Analysis A Revised and Expanded Users Guide TO ELEFAN 0, 1 and 2.* (2nd ed.) 177. 31 hal.
- Brey, T. and D. Pauly. 1986. A user's guide to ELEFAN 0, 1 and 2 (revised and expandedversion). *Berichte Des Institut Für Meereskunde an Der Universität Kiel* 149. 77

hal.

- Brown-peterson, N.J., D.M. Wyanski, F. Saborido-rey, J. Beverly, S.K. Lowerre-barbieri, D.M. Wyanski, S.K. Lowerre-barbieri. 2011. A Standardized Terminology for Describing Reproductive Development in Fishes Special Section : Fisheries Reproductive Biology. Marine and Coastal Fisheries; Dynamics, Management, and Ecosystem Science 3 (1): 52-70.
- Chacko, P.I. 1948. Food and Feeding Habits of the Gulf of Manaar. India: Fisheries, Kilpauk, Madras. 14 hal.
- De Giosa, M. and P. Czerniejewski. 2016. A generalized, nonlinear regression approach to the length-weight relationship of European perch (*Perca fluviatilis* L.) from the Polish coast of the southern Baltic Sea. Arch. Pol. Fish (24): 169-175.
- Doi, A. and T. Yasuhiko. 1994. A new cyprinid fish, *Hampala salweenensis*, from the Mae Pai River system, Salween Basin, Thailand. Japanese Journal of Ichthyology 40(4): 405-412.
- Efawani, E., Dahril, T., Putra, R. M., Efizon, D., Mulyani, I., & Safrina, N. (2020). Reproductive Biology of *Hampala macrolepidota* from the Kampar River, Kampar Regency, Riau Province. *IOP Conference Series: Earth and Environmental Science*, 430(1), 6–11. <https://doi.org/10.1088/1755-1315/430/1/012038>
- Effendi, H. 2016. River water quality preliminary rapid assessment using pollution index. Procedia Environmental Sciences 33(April): 562–567.
- Effendie, M.I. 1997. Metoda Biologi Perikanan. <http://www.stamps4fish.co.uk/fishclub/FISH/CYPRINIDAE/Hampala>. [Diakses 2 Maret 2015].
- Effendie, M.I. 2002. Biologi Perikanan. Edisi kedua. Yogyakarta: Yayasan Putra Nusantara. 163 hal.
- Elahi, N., S. Tabassum and A. Raza. 2016. Length-Weight Relationship (LWR), Condition Factor and Seasonal Distribution of *Sardinella sindensis* (Day, 1878) Through Size Frequency Variation from the Balochistan Coast, Pakistan. International Journal of Fauna and Biological Studies 2(3): 96-99.
- Fleming, I.A. and M.R. Gross. 1990. Latitudinal clines: a trade-off between egg number and size in Pacific salmon. Ecology 71: 1-11.
- Froese, B.R. 2006. Cube Law, Condition Factor and Weight-Length Relationships: History, Meta-Analysis and Recommendations, Journal of Applied Ichthyology 22: 241–253.
- Giesen, W. and Sukotjo. 1991. The West Sumatran Lakes. Sumatran Wetland Project Report no. 16. Bogor.
- Goldman, C.R. and A.J. Horne. 1983. Limnology. New York: McGraw-Hill Book Co., 464 hal.
- Intan, K.Z., A. Christianus, S.M.N. Amin and M. Hatta. 2013. Breeding and embryonic development of *Hampala macrolepidota* (Van Hasselt and Kuhl, 1823). Asian Journal of

Animal and Veterinary Advances 8(2): 341–347.

- Imsland A.K., A. Gustavsson, S. Gunnarsson, A. Foss, J. Arnason, I. Arnason, A.F. Jonsson, H. Smaradottir and H. Thorarensen. 2008. Effects of reduced salinities on growth, feed conversion efficiency and blood physiology of juvenile Atlantic halibut (*Hippoglossus hippoglossus* L.). *Aquaculture* 274:254-259.
- Intan, K., A. Christianus and S. Amin. 2013. Breeding and embryonic development of *Hampala macrolepidota* (Van Hasselt and Kuhl, 1823). *Asian Journal of Animal and Veterinary Advances* 8 (2): 341-347.
- Jubaedah, I. 2004. Distribusi dan Makanan Ikan Hampala (*Hampala macrolepidota*) di Waduk Cirata. [Tesis]. Bogor. Sekolah Pascasarjana Institut Pertanian Bogor.
- Kamaruddin, I.S., Mustafa-Kamal, A.S., Christianus, A., Daud, S.K., Amin, S.M.N. & Yu-Abit, L. 2012. Length-weight relationship and condition factor of three dominant species from the Lake Tasik Kenyir, Terengganu, Malaysia. *Journal of Fisheries and Aquatic Science* 6(7): 852-856
- Karami, A., A. Christianus, H. Zokaeifar, K.Z. Saad, F.T.J. Imraan, S. Shakibazadeh, and S.C. Courtenay. 2011. Ovaprim treatment promotes oocyte development and milt fertilization rate in diploid and triploid African catfish (*Clarias gariepinus*). *Aquaculture International* 19(6):1025-1034.
- Kariyanti, S.B.A Omar and J. Tresnati. 2014. Analisis fekunditas dan diameter telur ikan beseng- beseng (*Marosatherina ladigesii* Ahl, 1936) di Sungai Pattunuang Asue dan Sungai Bantimurung, Kabupaten Maros, Sulawesi Selatan. *Prosiding Simposium Nasional Kelautan dan Perikanan*, Makassar 3 Mei 2014: 1-10.
- Kaya, C. and A. Hasler. 1972. Photoperiod and Temperature Effects on the Gonads of Green Sunfish, *Lepomis cyanellus* (Rafinesque), during the Quiescent, Winter Phase of its Annual Sexual Cycle. *Transactions of the American Fisheries Society* 101(2): 270-275.
- Kottelat, M., A.J. Whitten, S.N. Kartikasari and S. Wirjoatmodjo, 1993. *Freshwater fishes of Western Indonesia and Sulawesi*. Hongkong: Periplus Editions, 221 hal.
- Kraak, G. Van Der and N.W. Pankhurst. 1997. *Temperature effects on the reproductive performance of fish*. London: Cambridge University Press. 11 hal.
- Kramer, D.L. 1987. Dissolved oxygen and fish behavior. *Environmental Biology of Fishes* 18: 81–92.
- Kusmini, I.I., F.P. Putri, V.A. Prakoso. 2016. Bioreproduksi Dan Hubungan Panjang-Bobot Terhadap Fekunditas Pada Ikan Lalawak (*Barbonymus balleroides*). *Jurnal Riset Akuakultur* 11 (4), 339-345.
- Larkin, P.A. 2013. Transactions of the American Fisheries Society an Epitaph for the Concept of Maximum Sustained Yield. *Transactions an Epitaph for the Concept* 2013: 37–41.
- Lowe-McConnell, R.H. 1987. *Ecological Studies in Tropical Fish Communities*. Cambridge:

Cambridge University Press. 382 hal.

- Lubis, N., A. Kasry, N.E. Fajri. 2012. Fish community and Water Quality in Singkarak lake Solok Regency Sumatera Barat Province. Pekanbaru. Faculty of Fisheries and Marine Science. University of Riau. 14 hal..
- Mainassy, M.C. 2017. The Effect of Physical and Chemical Parameters on the Presence of Lompa Fish (*Thryssa baelama* Forsskål) in the Apui Coastal Waters of Central Maluku District. *Jurnal Perikanan Universitas Gadjah Mada* 19(2): 61.-66.
- Makmur, S. 2014. Karakteristik Habitat, Biologi, Penangkapan dan Dinamika Populasi sebagai Dasar Pengelolaan Ikan Hampal (*Hampala macrolepidota* Kuhl & Van Hasselt 1823) di Danau Ranau Sumatera Selatan dan Lampung. [Disertasi]. Malang. Universitas Brawijaya.
- Makmur, S., & Subagdja, D. M. (2017). Sumatera Selatan Dan Lampung Management Of Hampal Barb (*Hampala macrolepidota* Kuhl & Van Hasselt 1823) In Ranau Lake. *Jurnal Kebijakan Perikanan Indonesia*, 9 (November), 61–70.
- Makmur, S., D. Muthmainnah and S. Subagdja. 2018. Pengelolaan Ikan Hampala (*Hampala macrolepidota* Kuhl & Van Hasselt 1823) di Danau Ranau, Sumatera Selatan dan Lampung. *Jurnal Kebijakan Perikanan Indonesia* 9(2): 61-70.
- Marlina, E. (2011). Optimasi Osmolaritas Media dan Hubungannya dengan Respon Fisiologis Benih Ikan Baung (*Hemibagrus nemurus*). [Tesis]. Bogor. Sekolah Pascasarjana Institut Pertanian Bogor. 108 hal.
- Marshall, S. and M. Elliott. 1997. A Comparison of Univariate and Multivariate Numerical and Graphical Techniques for Determining Inter- and Intraspecific Feeding Relationships in Estuarine Fish. *Journal of Fish Biology* 51(3): 526–545.
- Marson. 2006. Jenis dan Peranan Tumbuhan Air Bagi Perikanan. *BAWAL* 1(2): 7–11.
- Merta, I.G.S. 1992. Dinamika Populasi Ikan Lemuru, *Sardinella lemuru* Bleeker 1853 (Pisces : Clupeidae) di Perairan Selat Bali dan Alternatif Pengelolaannya. [Disertasi] Bogor. Institut Pertanian Bogor.
- Morita, K., and Y. Takashima. 1998. Effect of female size on fecundity and egg size in White-spotted Charr: comparison between sea-run and resident forms. *Journal of Fish Biology* 53:1140–1142.
- Muntiha, M. 2001. Teknik Pembuatan Preparat Histopatologi dari Jaringan Hewan dengan Pewarnaan Hematoksilin dan Eosin (HE). *Prosiding Temu Teknis Fungsional Non Peneliti*. 156 – 163..
- Musrin, S. Rukayah and I. Sulistyono. 2013. Status Reproduksi Ikan Palung (*Hampala macrolepidota* C.V. 1823) di Waduk P.B Sudirman Banjarnegara, Jawa Tengah. *Seminar Nasional XI Pendidikan Biologi FKIP UNS*: 568–575.
- Nagahama, Y. 1983. The fungsional morphology of teleost gonads. Dalam W.S. Hoar and

- Randall (Eds). New York. Fish physiology IX A. Acad. Press. pp. 187-212.
- Nejedli, S., S. Petrinc, E. Ku Ir and E. Srebocan. 2004. Annual oscillation of ovarian morphology in european pilchard (*Sardina pilchardus* Walbaum) in the Northern Adriatic Sea. Veterinarski Arhiv 74 (2): 97-106.
- Nikolsky, G.V. 1963. The Ecology of Fishes. London. Academic Press. 325 hal.
- Nikolsky, G.V. 1969. Theory of Fish Population Dynamic, as the Biologic Background of Rational Exploitation and the Management of Fishery Resources, translated by Bradley. Oliver and Boyd. Published by Oliver & Boyd (1969).
- Nofrita, Dahelmi, H. Syandri, D.H. Tjong. 2013. Hubungan Tampilan Pertumbuhan dengan Karakteristik Habitat Ikan Bilih (*Mystacoleucus padangensis* Bleeker). Prosiding Semirata FMIPA Universitas Lampung 1(1): 179–183.
- Odum, E.P. 1993. Dasar-dasar Ekologi. Terjemahan Tjahjono Samingan. Edisi. Ketiga. Yogyakarta. Gadjah Mada University Press.
- Otsu, T. and R.J. Hansen. 1962. Sexual maturity and spawning of the albacore in the central south Pacific Ocean. U.S. Fish Wild. Serv. Fish. Bull. 62(204): 51-161.
- Patiyal R.S., J.I. Mir, R.C. Sharma, S. Chandra and P.C. Mahanta. 2013. Pattern of Meristic and Morphometric Variations Between Wild and Captive Stocks of Endangered *Tor putitora* (Hamilton 1822) Using Multivariate Statistical Analysis Methods. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences 84: 123–129.
- Patricia, C., W. Astono and D.I. Hendrawan. 2018. Kandungan nitrat dan fosfat di sungai ciliwung. Seminar Nasional Cendekiawan: 179–185.
- Pauly, D. 1987. A Review of the ELEFAN System for Analysis of Length-Frequency Data in Fish and Aquatic Invertebrata. ICLARM Conference Proceeding 13. Metro Manila, Philippines: International Centre for living Aquatic Resources Management. 468 hal.
- Pavlov, D.S. and A.O. Kasumyan. 2002. Feeding diversity in fishes: trophic classification of fish. J. Ichthyol. 42 (2): 137–159.
- Popova, O.A. 1978. The Role of Predaceous Fish In Ecosystem. In I. S. D. Gerking (Ed.), Ecology of Freshwater Fish Production (pp. 215–249). London: Oxford.
- Rahardjo, M.F. 1977. Kebiasaan Makanan, Pemijahan, Hubungan Panjang Berat dan Faktor Kondisi Ikan Hampal, *Hampala macrolepidota* (Cuvier & Valenciennes) di Waduk Jatiluhur, Jawa Barat. [Tesis]. Bogor. Sekolah Pascasarjana Institut Pertanian Bogor. 39 hal.
- Ricker, W.E. 1975. Computation and Interpretation of Biological Statistics of Fish Populations. Bull. Fish. Res. Board Can. 191, 382 hal.
- Rideout, R.M. and M.P.M. Burton. 2000. Peculiarities in Ovarian Structure Leading to multiple-year delays in oogenesis and possible senescence in Atlantic cod, *Gadus morhua*. Can. J. Zool. 78: 1840 – 1844.

- Risdawati, R. (1997). Kepadatan Populasi Ikan Bilih (*Mystacoleucus padangensis* Blkr.) Serta Hubungannya Dengan Kepadatan Predator (*Hampala* sp.) di Danau Singkarak. [Tesis]. Padang. Program Pascasarjana Universitas Andalas.
- Roesma, Dewi Imelda, Djong Hon Tjong, D. R. A. (2018). Phylogenetic Analysis of Barau and Sasau Fish (*Hampala*_Cyprinidae) from West Sumatra Lakes and Rivers Based on Cytochrome b Gene.pdf. *Seminar Nasional Ikan Ke -10*, 32.
- Roesma, D. I., & Syaifullah, S. (2018). Analisis Morfologi Ikan *Hampala macrolepidota* (Kuhl & Van Hasselt , 1823) dan *Hampala* sp Dari Danau Singkarak dan Danau Maninjau , Indonesia. In *Conference: Seminar Nasional Ikan ke-10At: Cibirong, Bogor*. <https://doi.org/10.5281/zenodo.3413462>
- Roy, A., M.S. Hossain, M.L. Rahman, M.A Salam and M.M Ali. 2014. Fecundity and gonadosomatic index of *Glossogobius giuris* (Hamilton, 1822) from the Payra River, Patuakhali, Bangladesh. *Journal of Fisheries* 2(2): 141-147.
- Saborido-Rey, F. 2016. Fish Reproduction. In Reference Module in Earth Systems and Environmental Sciences, Institute of Marine Research (IIM-CSIC), Vigo, Spain: Elsevier.
- Saikia, S.K. 2015. Food And Feeding Of Fishes. What Do We Need To Know ?. *Transylv. Rev. Syst. Ecol. Res.* 17(1): 71–84.
- Salsabila, A. 1987. Sumber daya Ikan Danau Singarak. In *Seminar Ilmiah Empat windu Berdirinya FMIPA Universitas Andalas Padang*. 53 hal.
- Seher, D. 2012. Condition factors of seven Cyprinid fish species from Çamlığöze dam lake on central Anatolia, Turkey. *African Journal of Agricultural Research* 7(31), 4460–4464.
- Selman, K. and R.A. Wallace. 1989. Cellular aspects of oocyte growth in teleosts. *Zoological Science* 6: 211-231.
- Soetignya, W.P., B. Suryobroto, M.M. Kamal and A. Boediono. 2016. Sex ratio, size structure and fecundity in *Hampala bimaculata* (Cyprinidae) from Betung Kerihun National Park, West Kalimantan Province, Indonesia. *AACL Bioflux* 9(3): 713–721.
- Song, L.M., K. Munian, Z. Abd Rashid and S. Bhassu. 2013. Characterisation of Asian snakehead Murrel *Channa striata* (Channidae) in Malaysia: An insight into molecular data and morphological approach. *The Scientific World Journal* 2013(December): 1-16.
- Srineetha, U., M.V. Reddy and M. Bhaskar. 2013. Effect of environmental acidic pH on oxygen consumption of fish, *Cyprinus carpio* (L.). *Nature Environment and Pollution Technology* 12(4): 721–724.
- Sugiyono. 2011. Metode Penelitian Kuantitatif, Kualitatif dan R&D. Bandung: Alfabeta.
- Sugiyono. 2014. Metode Penelitian Pendidikan Pendekatan Kuantitatif,. Kualitatif, dan R&D. Bandung: Alfabeta.
- Suparmi, S.U. 2014. Modul 1 Konsep Dasar Statistika. Dalam Modul UT.

- Syandri, H. 1996. Aspek Reproduksi Ikan Bilih *Mystacoleucus padangensis* Blkr. dan Kemungkinan Pembaniannya di Danau Singkarak. [Disertasi]. Bogor. Sekolah Pascasarjana Institut Pertanian Bogor.
- Syandri, H. 2008. Ancaman Terhadap Plasma Nutfah Ikan Bilih (*Mystacoleucus padangensis* Blkr) dan Upaya Pelestariannya di Danau Singkarak. Padang: Universitas Bung Hatta.
- Syandri, H., Azrita and N. Aryani. 2013. Distribusi Ukuran, Reproduksi dan Habitat Pemijahan Ikan Bilih (*Mystacoleucus padangensis* Blkr.) di Danau Singkarak. Bawal 5(7): 1–8.
- Syandri, H., Nassaruddin, H. Manurung, T.N Harahap, I. Retnowati, S. Rachmiati and W.C. Rustadi. 2014. Gerakan Penyelamatan Danau (GERMADAN) Singkarak. Jakarta. Kementerian Lingkungan Hidup.
- Syandri, H. 2003. Keramba Jaring Apung dan Permasalahannya di Danau Maninjau, Sumatera Barat. Jurnal Perikanan dan Kelautan 8 (2) : 74 - 81.
- Taki, Y. and A. Kawamoto. 1977. Differentiation of the Cyprinids, *Hampala macrolepidota* and *H. dispar*. Japanese Journal of Ichthyology 24(1) : 61-65.
- Tester and Takata. 1953. Fishes. An Introduction to Ichthyology. Second Edition. Prentice Hall, New Jersey.
- Thorpe, J.E., M. Mangel, N.B. Metcalfe and F.A. Huntingford. 1998. Modelling the proximate basis of salmonid life-history variation, with application to Atlantic salmon, *Salmo solar* L. Evolutionary ecology (12): 581-599.
- Uslichah, U. and H. Syandri. 2003. Aspek Reproduksi Ikan Sasau (*Hampala* sp.) dan Ikan Lelan (*Osteochilus vittatus* C.V.) di Danau Singkarak. Jurnal Iktiologi Indonesia 3(1) : 41–48.
- Wantasen, S., Sudarmadji, E. Sugiharto, and S. Suprayogi. 2012. Dampak Transformasi Nitrogen Terhadap Lingkungan Biotik di Danau Tondano Provinsi Sulawesi Utara. J. Manusia Dan Lingkungan 19(2) : 143–149.
- Weber, M. and L. de Beaufort. 1916. The Fishes of the Indo-Australian Archipelago III. Leiden. EJ Brill Ltd.
- Wootton, R.J. 1992. Fish Ecology (tertiary level biology). Edisi Pertama. New York. Chapman and Hall Inc.
- Wootton, R.J. and C. Smith. 2015. Reproductive Biology of Teleost Fishes. (J. & S. Wiley, Ed.). Chichester. John Wiley & Sons Ltd.
- Zainuddin. 2010. Pengaruh Kalsium Dan Fosfor Terhadap Pertumbuhan, Efisiensi Pakan, Kandungan Mineral Dan Komposisi Tubuh Juvenil Ikan Kerapu Macan (*Epinephelus fuscoguttatus*). Jurnal Ilmu Dan Teknologi Kelautan Tropis 2(2) : 1–9.
- Zainudin, M.R.Y. 2005. Assessment of Fish Community Distribution and Composition in The Perak River In Order to Determine Biological Indicators for Freshwater Health. [Tesis].

Malaysia. Universiti Sains Malaysia.

